

REMARKS

Claims 1-27 and 29-56 are all the claims pending in the present application, claim 28 has been withdrawn from consideration. Claims 44, 45, 48, and 49 are rejected under 35 U.S.C. § 112, second paragraph, as allegedly being indefinite. Claims 1-24, 26, 27, 29-40 and 42-56 are rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by Curry et al. (U.S. Patent No. 6,233,234).

§ 112, second paragraph. Rejections - Claims 44, 45, 48, and 49

Claims 44, 45, 48, and 49 are rejected under 35 U.S.C. § 112, second paragraph, based on the reasons set forth on page 2 of the Office Action.

Applicant believes the Examiner's rejections of claims 44, 45, 48, and 49 under 35 U.S.C. § 112, second paragraph, are obviated.

§ 102(e) Rejections (Curry) - Claims 1-24, 26, 27, 29-40, and 42-56

Claims 1-24, 26, 27, 29-40, and 42-56 are rejected over Curry based on the reasons set forth on pages 3-10 of the Office Action. Applicant traverses these rejections at least based on the following reasons.

With respect to independent claim 1, Applicant submits that Curry does not disclose or suggest at least, "a home gateway assigning an ID and a port to each terminal to differentiate terminals sharing one IP address," as recited in claim 1. The Examiner cites column 6, lines 44-54 as allegedly satisfying the above-quoted features, however nowhere does Curry disclose or suggest the assignment of a port to each terminal. In fact, nowhere does Curry discuss port related information/data in this reference. Therefore, at least because the above-quoted feature is

not discussed anywhere or suggested anywhere in Curry, Applicant submits that Curry does not anticipate claim 1.

Applicant submits that dependent claims 2-5 and 54 are patentable at least by virtue of their dependency from independent claim 1.

With respect to independent claim 6, Applicant submits that this claim is patentable over Curry at least based on reasons similar to those set forth above with respect to claim 1. That is, nowhere does Curry even mention assigning a port to a terminal. Therefore, at least based on the foregoing, Applicant submits that independent claim 6 is not anticipated by Curry.

Applicant submits that dependent claims 7-27 are patentable at least by virtue of their respective indirect or direct dependencies from independent claim 6.

With respect to independent claims 28 and 29, Applicant submits that these claims are patentable at least based on reasons similar to those set forth above with respect to claim 1. That is, nowhere does Curry disclose or suggest at least, “opening a channel for a second terminal according to an IP and port information of a destination in the packet if a number of connection lines is less than or equal to the predetermined number of connection lines,” and “converting the packet according to the IP and port information of a first terminal and said second terminal and transmitting the packet,” as recited in claim 28, and similarly recited in claim 29.

Applicant submits that dependent claims 30-43 are patentable at least by virtue of their direct or indirect dependencies from independent claim 29.

Further, with respect to claims 13, 14, and 31, Applicant submits that nowhere does Curry disclose or suggest requesting call connection by transmitting the IP address and port number of said first terminal to said second terminal when the call connection is admitted.

Nowhere does Curry disclose or suggest transmitting a port number. Yet even further, nowhere does Curry disclose or suggest transmitting an IP address and port number of a first terminal to a second terminal. The section cited by the Examiner only indicates that a central administrator will monitor and control the various IP resources and operations.

Further, with respect to claims 24 and 40, the Examiner does not cite any particular portion of Curry which allegedly satisfies the features set forth in these claims. Also, Applicant did not find any teaching or suggestion of the features set forth in claims 24 and 40. Accordingly, Applicant submits that Curry does not disclose or suggest at least, “wherein one of the respective IP addresses is shared by more than one of said plurality of terminals,” as recited in claim 24 and similarly recited in claim 40.

Further, with respect to claims 27 and 43, the Examiner simply cites column 5, lines 30-31 of Curry as allegedly satisfying the features of claims 27 and 43. However, the cited portions of Curry only discuss that a gateway provides localized access and security. The specific features of claims 27 and 43 are not taught or suggested in Curry.

With respect to independent claim 44, Applicant submits that Curry does not disclose or suggest at least, “converting the header and payload of the packet according to IP and port information preset for the telephone call, if the packet is for the telephone call, and transmitting the converted packet to a terminal connected to the local IP network,” and “converting the packet according to IP and port information preset for the Internet communication if the packet is for the Internet communication and transmitting the converted packet to the terminal connected to the local IP network,” as recited in claim 44. As indicated above, nowhere does Curry discuss port

information in this reference. Accordingly, at least based on this fact, the above quoted limitations are clearly not satisfied by Curry.

Applicant submits that dependent claims 45-47 are patentable at least by virtue of their dependency from independent claim 44.

Applicant submits that independent claim 48 is patentable at least based on reasons similar to those set forth above with respect to the independent claims above.

Applicant submits that dependent claims 49-53, 55, and 56 are patentable at least by virtue of their respective dependencies.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



Diallo T. Crenshaw
Registration No. 52,778

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE
23373
CUSTOMER NUMBER

Date: December 28, 2006